

Notice of Allowability

Application No.

10/676,491

Examiner

Phuong Phu

Applicant(s)

HERATH, JEFFREY ALAN

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed on 5/17/07.
2. ☒ The allowed claim(s) is/are 1-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

1. This Office Action is responsive to the Amendment filed on 5/17/07. Accordingly, claims 1-22 are currently pending.

REASONS FOR ALLOWANCE

2. Claims 1-22 are allowed.
3. The following is an examiner's statement of reasons for allowance:

-Regarding independent claim 1, none of prior art of record teaches or suggests a method of decompressing an input compression encoded data set, the method comprising: dividing a received compression encoded data set into variable compression ratio, variable length data packets; determining a fixed length for all of the data packets; determining a density for each data packet; adjusting the variable length of each variable compression ratio, variable length data packet to the determined fixed length by adding a group of data bytes to the variable compression ratio, variable length data packet in order to form a variable compression ratio, fixed length data packet; determining an appropriate decompression ratio to apply to each variable compression ratio, fixed length data packet for decompressing each fixed length data packet.

-Regarding independent claim 11, none of prior art of record teaches or suggests a apparatus for decompressing data, comprising: a data packet decoding processor that determines the length of at least one variable compression ratio, variable length data packet based on a length code; a first decompression processor that converts the at least one variable compression ratio, variable length data packet into at least one variable compression ratio, fixed length data packet; and a second decompression processor that determines the amount of data in the at least

one variable compression ratio, fixed length data packet, and decompresses the at least one variable compression ratio, fixed length data packet into at least one decompressed, fixed length data packet, using a determined data decompression ratio.

-Regarding independent claim 18, none of prior art of record teaches or suggests a system for decompressing data, the system comprising: a data packet decoding processor that determines the length of at least one variable compression ratio, variable length data packet based on a length code; a first decompression processor that converts the at least one variable compression ratio, variable length data packet into at least one variable compression ratio, fixed length data packet by adding null set data bytes the at least one variable compression ratio, variable length data packet to expand the variable length of the at least one variable compression ratio, variable length data packet; and a second decompression processor that determines the amount of data in the at least one variable compression ratio, fixed length data packet, and decompresses the at least one variable compression ratio, fixed length data packet into at least one decompressed, fixed length data packet, using an appropriate data decompression ratio, wherein the appropriate decompression ratio is based on the amount of data in the at least one variable compression ratio, fixed length data packet.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong Phu whose telephone number is 571-272-3009. The examiner can normally be reached on M-F (8:00 AM - 4:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PHUONG PHU
PRIMARY EXAMINER



Phuong Phu
01/31/08

Phuong Phu
Primary Examiner
Art Unit 2611